Supplementary instructions

Plug connector ISO 4400

for continuously measuring sensors

Contents

1 For your safety
1.1 Appropriate use ... 3
1.2 Impermissible use ... 3
1.3 General safety instructions ... 3
1.4 Safety instructions for Ex areas ... 3

2 Connecting to power supply
2.1 Wiring plan ... 4

3 Supplement
3.1 Technical data ... 5

30375-EN-140801

1 For your safety

1.1 Appropriate use

Plug connectors belong to the accessories for level, switching and pressure sensors. They provide a detachable connection to power supply/signal processing for two-wire sensors. Those are sensors whose power supply as well as measurement signal are transmitted over one pair of wires.

1.2 Impermissible use

As a rule, plug connectors are not allowed to be used with four-wire instruments. Those are sensors whose power supply and measurement signal are transmitted over two separate pairs of wires.

1.3 General safety instructions

The safety information in the operating instructions manual of the respective sensor must be noted.

1.4 Safety instructions for Ex areas

Please note the Ex-specific safety information for installation and operation in Ex areas. These safety instructions are part of the operating instructions manual and come with the Ex-approved instruments.

For instruments with Exd or StEx approval, the use of plug connectors is not allowed.

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2 Connecting to power supply

2.1 Wiring plan

Each respective wiring plan shows the assignment of the individual pins of the plug connector. The chart shows the assignment of the individual contact pins to the terminals of the sensor electronics.

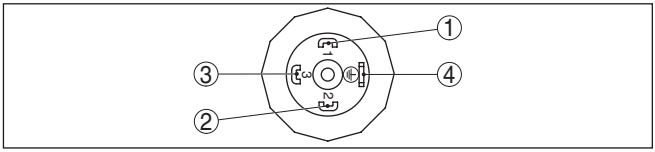

Fig. 1: Top view of the plug connector

1 + (Pin 1)
2 - (Pin 2)
3 free (Pin 3)
4 Screen (Pin 4)

Contact pin	Colour - connection cable	Terminal, electronics module
Pin 1	Black	1
Pin 2	Blue	2
Pin 3	free	free
Pin 4	Green/yellow	

30375-EN-140801

3 Supplement

3.1 Technical data

Materials	
Contact support	Polyamide
Contact surface	Sn
Housing	Polyamide
Housing seal	NBR

Temperature range	
Plug connector - separate	-25 … +125 °C (-13 … +257 °F)
Plug - mounted on the sensor	the lowest temperature is applicable

Electrical data	
Rated current	16 A
Reference voltage	250 V AC

Protection rating	
Plug connector - separate (connected status)	IP 65
Plug connector - mounted on the sensor (connected status)	The lowest protection category applies

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Printing date:

All statements concerning scope of delivery, application, practical use and operating conditions of the sensors and processing systems correspond to the information available at the time of printing.
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